

Serial No. 10/621425

IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Inventor(s): Angeliki Alexiou  
Mohammed Qaddi

Case: 3-3

Serial No.: 10/621425

Filing Date: July 17, 2003

Examiner: Group Art Unit:

Title: A Method Of Compensating For Correlation Between Multiple  
Antennas

COMMISSIONER FOR PATENTS

P.O. BOX 1450

ALEXANDRIA, VA 22313-1450

SIR:

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR 1.97(b)

In accordance with 37 CFR 1.97(b), the enclosed Information Disclosure Statement, with attached reference(s), is submitted for consideration in the above-identified application.

Copies of the listed documents are enclosed.

NO FEE IS REQUIRED

In the event of any non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit Lucent Technologies Deposit Account No. 12-2325 as required to correct the error.

Respectfully,

Ozer M. N. Teitelbaum, Attorney

Reg. No. 36698

973-386-8803

Date: \_\_\_\_\_

Docket Administrator (Room 3J-219)

Lucent Technologies Inc.

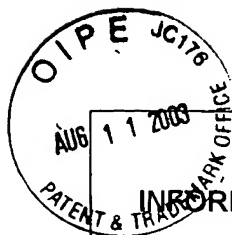
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<b>INFORMATION DISCLOSURE STATEMENT</b>	Case Name.	A. Alexiou 3-3
	Serial No.	10/621425
	Applicant:	A. Alexiou, et al.
	Filing Date:	July 17, 2003
	Group:	

### U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date
	AI	6,185,258	2/6/2001	S. Alamouti, et al	375	260	5/7/1998

### FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation

### OTHER (including Author, Title, Date, Pertinent Pages, etc.)

	AA	Jack Salz, et al, "Effect of Fading Correlation on Adaptive Arrays in Digital Mobile Radio", <i>IEEE Transactions on Vehicular Technology</i> , Vol. 43, No. 4, (11-94), pages 1049-1957.
	AB	Da-Shan Shiu, et al, "Fading Correlation and Its Effect on the Capacity of Multielement Antenna Systems", <i>IEEE Transactions on Communications</i> , Vol. 48, No. 3, (3-00), pages 502-513.
	AC	Helmut Bolcskei, et al, "Performance of Space-Time Codes in the Presence of Spatial Fading Correlation", <i>IEEE 2000</i> , pages 687-693.
	AD	Angeliki Alexiou, "Realistic Channel Model Considerations in UMTS Downlink Capacity with Space-Time Block Coding", 3 <sup>rd</sup> <i>IEEE Signal Processing Workshop on Signal Processing Advances in Wireless Communications, Taoyuan, Taiwan, (3/23-23/01)</i> , pages 275-278.
	AE	Christopher Brunner, et al, "Downlink Eigenbeamforming in WCDMA", <i>Munich University of Technology, D-80290 Munich, Germany</i> .
	AF	Hemanth Sampath, et al, "Linear Precoding for Space-Time Coded Systems With Known Fading Correlations", <i>IEEE Communications Letters</i> , Vol. 6, No. 6, (6-02), pages 239-241.
	AG	Vahid Tarokh, et al, "Space-Time Block Codes from Orthogonal Designs", <i>IEEE Transactions on Information Theory</i> , Vol. 45, No. 5, (7-99), pages 1456-1467.
	AH	Louay M.A. Jalloul, et al, "Performance Analysis of CDMA Transmit Diversity Methods", <i>IEEE 1999</i> , pages 1326-1330.

\*\*\*References listed beyond AZ would list as AA-1, AB-2, AC-3 thru AZ-26.

\*\*\*Note First Page ONLY Header/Footer. Subsequent pages must ONLY have page # layout as header

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>

**\*Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant